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L2: Entry 3 of 3

File: DWPI

Nov 4, 1976

DERWENT-ACC-NO: 1976-K9820X

DERWENT-WEEK: 197646

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TITLE: Wooden sheet process machine tool - has large rotating drum to which sheets are fixed with frame supporting peripheral tools

PRIORITY-DATA: 1975DE-2518145 (April 24, 1975)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> DE 2518145 A	November 4, 1976		000	
<input type="checkbox"/> IT 1062937 B	February 11, 1985		000	

INT-CL (IPC): B27C 5/06; B27F 5/12

ABSTRACTED-PUB-NO: DE 2518145A

BASIC-ABSTRACT:

The device is for processing of sheet or plate type wooden or similar type material work pieces. A longitudinally extended drum can rotate about a horizontal axis (2). A large number of attachment surfaces are provided for the work pieces on its surface. An indexing device is provided by means of which the drum may be accurately repositioned in its starting position after rotation. A frame surrounds the drum, having mountings and guides for the processing tools by means of which the tool positions may be adjusted.

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L2: Entry 2 of 3

File: DWPI

Sep 16, 1993

DERWENT-ACC-NO: 1993-296153

DERWENT-WEEK: 199733

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TITLE: Trimming and processing machine for square timber - comprises horizontal bench mounted roller track and machine heads at intervals along the track

INVENTOR: HUNDEGGER, H

PRIORITY-DATA: 1992DE-4208233 (March 14, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> DE 4208233 A1	September 16, 1993		005	B27F005/00
<input type="checkbox"/> DE 59306625 G	July 10, 1997		000	B27M001/08
<input type="checkbox"/> EP 561227 A1	September 22, 1993	G	007	B27M001/08
<input type="checkbox"/> EP 561227 B1	June 4, 1997	G	008	B27M001/08

INT-CL (IPC): B23Q 7/14; B27C 9/04; B27F 5/00; B27M 1/08

ABSTRACTED-PUB-NO: DE 4208233A

BASIC-ABSTRACT:

The roller track (2) is at bench height and above it is a horizontal rail (7) along which an overhead carriage (6) with a swivelling (16) spiked arm (17) can slide. The timber (4) is laid on the roller track, and an overhead conveyor (3) rests on top of the timber.

Clamps (23) secure the timber at the sides. The conveyor consists of a frame (21) housing an endless chain with projecting teeth (8) suspended by braces (19,20) from the frame (18), to which it is linked by hydraulic ram (22) for lowering or raising the conveyor. The latter feeds the timber to the first processing head, and a cross-cut saw (10), and the spiked arm of the carriage (6) grips the timber and conveys it to the next machine head.

ADVANTAGE - Increased work rate at low cost.

dr

ABSTRACTED-PUB-NO:

EP 561227B EQUIVALENT-ABSTRACTS:

Method for processing squared timber (4) or the like in a trimming plant, having several processing units (1, 15) positioned along a roller path (2) or the like on which the workpiece (4) rests, with the first workpiece (4) being transported to

the first processing unit (1) by means of an additional conveyor (3), said first workpiece (4) being transported by a conveyor to further processing units (15) provided after the first processing unit (1) after being processed by said first processing unit (1), said conveyor comprising along the roller path (2) or the like a rail track for a powered towing device (6) capable of being rigidly coupled to the workpiece (4), having a means of control for driving the towing device (6) which successively positions the workpiece (4) as preselected according to the processing operations to be performed on the workpiece (4) by the processing units (1) and having locking means (23) for fixing the workpiece (4) during each processing operation, characterised in that while the first workpiece (4) is fed to the first processing unit (1) and said workpiece (4) is transported by the conveyor and processed by the further processing units (15), said first workpiece (4) not being received by the conveyor for further transport until processing by the first processing unit (1) has been effected.

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File: DWPI

Dec 21, 2000

DERWENT-ACC-NO: 2001-062654

DERWENT-WEEK: 200118

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TITLE: Woodworking machine for working wood beams etc has an interrupted feed with a ring-shaped holder at the working zone for tools to work one or all sides of the workpiece moving through the holder

INVENTOR: WEINMANN, K

PRIORITY-DATA: 1999DE-1026834 (June 12, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19926834 A1	December 21, 2000		004	B23P023/02
DE 19926834 C2	March 29, 2001		000	B23P023/02

INT-CL (IPC): B23 B 29/24; B23 P 23/02; B23 Q 3/157; B23 Q 11/00; B27 C 1/00; B27 C 3/00

ABSTRACTED-PUB-NO: DE 19926834A

BASIC-ABSTRACT:

NOVELTY - The appts. (10) for working long workpieces, and especially wood beams, has a feed mechanism (11) to advance the workpiece which is interrupted at the working zone (12). A ring-shaped holder for a tool is at the working zone (12), on a plane at right angles to the feed direction, and the workpiece is fed through the opening in the holder. At least one tool (14) is mounted at the holder over and/or under and/or to the side of the workpiece. A number of tools of different types (14) can be fitted to the holder.

USE - The appts. is for working wood beams with a number of tools such as drills, millers, and the like.

ADVANTAGE - The appts. can work a number of sides of the workpiece, it requires little space, and reduces the working times.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic side view of the wood beam working appts.

woodworking appts 10

workpiece feed 11

working zone 12

woodworking tool 14

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